

Data Completeness and Quarterly Averages of Fine Particulate Material in Michigan

Guideline on Data Handling Conventions for the PM NAAQS, p 4 "If you're doing an intermediate calculation, such as quarterly average PM10 value from the 24-hour values, keep all digits on your calculator."

updated 12/2/11

shaded cell indicates sampling frequency changed to 1:6
 shaded cell indicates sampling frequency changed to 1:3 from 1:1

red'n in sampling frequency from 1:6 to 1:12
 sampling frequency increased to daily - +/- 5% NAAQS or special study

AIRSID	Site	POC	First Quarter				Second Quarter				Third Quarter				Fourth Quarter				Annual	3-Yr Annual	
			Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.			
260050003	Holland	1	2005	90	87	97	13.70	91	91	100	11.64	92	92	100	13.85	92	91	99	10.35	12.39	12.0
260050003	Holland	1	2006	90	87	97	11.77	15	14	93	10.04	15	15	100	10.09	16	16	100	14.01	11.48	11.7
260050003	Holland	1	2007	30	28	93	11.15	30	28	93	11.39	31	25	81	12.43	30	30	100	11.79	11.69	11.9
260050003	Holland	1	2008	31	28	90	10.15	30	29	97	9.06	31	28	90	11.33	30	30	100	8.17	9.68	10.9
260050003	Holland	1	2009	30	29	97	11.88	31	29	94	6.67	30	27	90	7.45	31	31	100	8.26	8.57	10.0
260050003	Holland	1	2010	30	30	100	9.23	30	29	97	6.96	31	31	100	8.98	31	31	100	8.84	8.50	8.9
260050003	Holland	1	2011	30	29	97	10.20	30	26	87	7.33	31	29	94	8.54	30		0			
260170014	Bay City	1	2005	30	30	100	13.79	31	28	90	12.63	30	29	97	13.29	31	30	97	10.05	12.44	11.1
260170014	Bay City	1	2006	30	29	97	11.61	15	13	87	8.71	15	16	107	9.25	16	16	100	11.06	10.16	10.8
260170014	Bay City	1	2007	30	28	93	10.36	30	28	93	9.61	31	28	90	9.70	30	28	93	11.02	10.17	10.9
260170014	Bay City	1	2008	31	30	97	11.68	30	28	93	7.23	31	27	87	8.47	30	29	97	8.18	8.89	9.7
260170014	Bay City	1	2009	30	29	97	12.13	31	30	97	5.17	30	24	80	7.10	31	30	97	8.37	8.19	9.1
260170014	Bay City	1	2010	30	29	97	9.76	30	30	100	5.97	31	31	100	8.59	31	31	100	8.30	8.16	8.4
260170014	Bay City	1	2011	30	28	93	10.32	30	29	97	5.91	31	31	100	7.86	30		0			
260210014	Coloma	1	2005	30	28	93	12.46	31	30	97	12.60	30	30	100	16.68	31	30	97	10.47	13.05	11.9
260210014	Coloma	1	2006	30	30	100	11.65	15	15	100	10.16	15	14	93	8.65	16	16	100	13.33	10.95	11.4
260210014	Coloma	1	2007	30	30	100	11.38	30	28	93	10.64	31	29	94	11.83	30	30	100	12.27	11.53	11.8
260210014	Coloma	1	2008	31	30	97	11.48	30	24	80	8.19	31	31	100	10.87	30	28	93	8.59	9.78	10.8
260210014	Coloma	1	2009	30	28	93	12.16	31	30	97	7.47	30	29	97	8.59	31	29	94	7.94	9.04	10.1
260210014	Coloma	1	2010	30	30	100	8.50	30	30	100	7.36	31	31	100	9.35	31	31	100	9.74	8.74	9.2
260210014	Coloma	1	2011	30	30	100	9.83	30	29	97	7.72	31	30	97	9.36	30		0			
260490021	Flint	1	2005	30	29	97	13.72	31	30	97	12.70	30	30	100	14.80	31	30	97	10.32	12.89	11.8
260490021	Flint	1	2006	30	29	97	11.87	30	30	100	9.96	31	29	94	11.17	31	31	100	10.69	10.92	11.4
260490021	Flint	1	2007	30	30	100	11.10	30	30	100	9.12	31	31	100	11.98	30	27	90	12.07	11.07	11.6
260490021	Flint	1	2008	31	31	100	12.59	30	19	63	6.66	31	30	97	11.00	30	28	93	8.82	9.77	10.6
260490021	Flint	1	2009	30	29	97	12.46	31	31	100	6.18	30	29	97	7.99	31	29	94	8.28	8.73	9.9
260490021	Flint	1	2010	30	28	93	9.70	30	32	107	7.07	31	31	100	9.77	31	31	100	8.97	8.88	9.1
260490021	Flint	1	2011	30	29	97	10.49	30	29	97	6.71	31	31	100	9.12	30		0			
260650012	Lansing	1	2005	30	30	100	14.17	31	30	97	13.97	30	30	100	14.77	31	30	97	11.22	13.53	12.5
260650012	Lansing	1	2006	30	30	100	12.70	30	30	100	10.31	31	31	100	11.51	31	29	94	11.37	11.47	12.0
260650012	Lansing	1	2007	30	27	90	11.49	30	30	100	9.99	31	31	100	12.27	30	29	97	12.17	11.48	12.2
260650012	Lansing	1	2008	31	31	100	12.45	30	30	100	7.65	31	31	100	10.15	30	30	100	9.14	9.85	10.9
260650012	Lansing	1	2009	30	29	97	12.79	31	31	100	6.42	30	28	93	8.07	31	31	100	8.97	9.06	10.1
260650012	Lansing	1	2010	30	29	97	9.29	30	30	100	6.63	31	24	77	11.10	31	29	94	8.88	8.98	9.3
260650012	Lansing	1	2011	30	29	97	10.44	30	30	100	7.79	31	30	97	8.67	30		0			
260770008	Kalamazoo	1	2005	30	26	87	12.64	31	31	100	12.98	30	30	100	17.07	31	29	94	12.62	13.83	13.0
260770008	Kalamazoo	1	2006	30	28	93	13.42	30	24	80	12.13	31	22	71	12.20	31	30	97	12.53	12.57	12.6
260770008	Kalamazoo	1	2007	30	29	97	12.43	30	28	93	10.76	31	31	100	13.96	30	30	100	13.31	12.62	13.0

AIRSID	Site	POC	Year	First Quarter				Second Quarter				Third Quarter				Fourth Quarter				Annual	3-Yr Annual
				Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.		
260770008	Kalamazoo	1	2008	31	26	84	14.17	30	29	97	8.85	31	31	100	11.87	30	29	97	9.86	11.19	12.1
260770008	Kalamazoo	1	2009	30	29	97	14.23	31	30	97	7.26	30	30	100	9.01	31	29	94	9.58	10.02	11.3
260770008	Kalamazoo	1	2010	30	27	90	9.53	30	30	100	7.27	31	30	97	10.02	31	30	97	10.42	9.31	10.2
260770008	Kalamazoo	1	2011	30	28	93	10.79	30	29	97	7.57	31	31	100	9.50	30		0			
260770008	Kalamazoo	2	2005	15	14	93	12.66	15	13	87	12.36	15	14	93	19.95	16	10	63	13.61	14.65	13.3
260770008	Kalamazoo	2	2006	15	13	87	16.28	15	15	100	10.88	15	11	73	10.67	16	14	88	13.21	12.76	12.8
260770008	Kalamazoo	2	2007	7	5	71	16.40	8	7	88	11.81	7	7	100	14.04	8	6	75	13.55	13.95	13.8
260770008	Kalamazoo	2	2008	8	6	75	11.20	7	6	86	8.73	8	8	100	15.59	7	7	100	8.80	11.08	12.6
260770008	Kalamazoo	2	2009	15	13	87	14.32	16	16	100	8.48	15	15	100	8.06	15	14	93	8.80	9.92	11.6
260770008	Kalamazoo	2	2010	15	13	87	7.93	15	14	93	7.79	16	10	63	8.33	15	15	100	12.72	9.19	10.1
260770008	Kalamazoo	2	2011	15	14	93	9.70	15	14	93	7.38	16	16	100	9.90	15		0			
260810007	Wyoming	1	2007	30	27	90	14.00	30	28	93	11.02	31	30	97	12.69	30	27	90	13.63	12.84	
260810007	Wyoming	1	2008	31	31	100	12.83	30	29	97	9.19	31	27	87	12.59	30	30	100	9.99	11.15	
260810007	Wyoming	1	2009	30	30	100	13.30	31	31	100	6.92	30	24	80	9.28	31	29	94	10.01	9.88	11.3
260810007	Wyoming	1	2010	30	29	97	9.67	30	28	93	7.76	31	28	90	10.58	31	30	97	10.51	9.63	10.2
260810007	Wyoming	1	2011	30	30	100	11.64	30	29	97	7.78	31	31	100	9.19	30		0			
260810020	Grand Rapids	1	2006	90	87	97	13.23	30	28	93	10.82	31	30	97	12.68	31	30	97	13.76	12.62	12.8
260810020	Grand Rapids	1	2007	30	28	93	13.11	30	29	97	10.83	31	30	97	12.18	30	29	97	12.88	12.25	12.9
260810020	Grand Rapids	1	2008	91	80	88	12.72	91	89	98	9.39	92	92	100	11.29	92	91	99	9.26	10.67	11.8
260810020	Grand Rapids	1	2009	91	90	99	12.73	31	31	100	6.77	30	28	93	8.64	31	30	97	9.53	9.42	10.8
260810020	Grand Rapids	1	2010	30	30	100	11.19	30	30	100	7.44	31	31	100	9.87	31	30	97	9.97	9.62	9.9
260810020	Grand Rapids	1	2011	30	30	100	11.75	30	30	100	8.24	31	31	100	9.27	30		0			
260810020	Grand Rapids	2	2005	15	15	100	17.63	15	15	100	13.78	15	15	100	18.43	16	15	94	11.63	15.37	13.5
260810020	Grand Rapids	2	2006	15	14	93	15.78	15	15	100	10.27	15	15	100	10.77	16	16	100	15.33	13.04	13.2
260810020	Grand Rapids	2	2007	7	8	114	17.63	8	7	88	11.33	7	7	100	13.63	8	7	88	16.06	14.66	14.4
260810020	Grand Rapids	2	2008	8	7	88	10.39	7	5	71	8.98	8	8	100	14.16	7	7	100	9.09	10.66	12.8
260810020	Grand Rapids	2	2009	15	15	100	14.45	16	16	100	7.56	15	14	93	7.67	15	13	87	8.99	9.67	11.7
260810020	Grand Rapids	2	2010	15	13	87	9.26	15	15	100	7.99	16	16	100	10.03	15	15	100	12.87	10.04	10.1
260810020	Grand Rapids	2	2011	15	15	100	10.63	15	12	80	8.04	16	16	100	9.47	15		0			
260910007	Tecumseh	1	2008	start date April 1, 2008				30	20	67	8.04	31	31	100	11.23	30	29	97	9.84	7.28	
260910007	Tecumseh	1	2009	30	29	97	13.91	31	29	94	7.23	30	29	97	9.06	31	27	87	8.77	9.74	8.5
260910007	Tecumseh	1	2010	30	28	93	9.92	30	29	97	7.24	31	31	100	9.60	31	29	94	8.90	8.91	8.6
260910007	Tecumseh	1	2011	30	27	90	11.80	30	28	93	8.82	31	30	97	9.76	30		0			
260990009	New Haven	1	2005	30	30	100	15.21	31	31	100	14.21	30	29	97	16.14	31	30	97	11.94	14.38	13.1
260990009	New Haven	1	2006	30	30	100	13.68	15	15	100	9.65	15	12	80	9.50	16	15	94	12.27	11.28	12.5
260990009	New Haven	1	2007	30	29	97	12.37	30	29	97	9.58	31	27	87	13.33	30	29	97	12.46	11.94	12.5
260990009	New Haven	1	2008	31	30	97	13.24	30	27	90	9.10	31	30	97	10.91	30	30	100	9.38	10.66	11.3
260990009	New Haven	1	2009	30	28	93	13.71	31	31	100	6.30	30	30	100	8.09	31	27	87	9.85	9.49	10.7
260990009	New Haven	1	2010	30	30	100	9.35	30	30	100	7.27	31	31	100	10.28	31	31	100	8.79	8.92	9.7
260990009	New Haven	1	2011	30	29	97	10.31	30	30	100	7.02	31	30	97	9.56	30		0			
261010922	Manistee (tribal)	1	2006	sampling began April 2, 2006				30	22	73	9.01	31	22	71	9.76	31	28	90	8.60	9.12	
261010922	Manistee (tribal)	1	2007	30	26	87	6.83	30	26	87	8.08	31	27	87	10.77	30	30	100	8.49	8.54	
261010922	Manistee (tribal)	1	2008	31	30	97	8.14	30	24	80	7.72	31	28	90	7.90	30	29	97	6.70	7.62	8.4
261010922	Manistee (tribal)	1	2009	30	27	90	6.65	31	28	90	4.68	30	23	77	7.07	31	27	87	6.16	6.14	7.4
261010922	Manistee (tribal)	1	2010	30	30	100	6.24	30	30	100	6.72	31	29	94	7.81	31	29	94	5.67	6.61	6.8
261010922	Manistee (tribal)	1	2011	30	28	93	6.14	30	29	97	5.91	31	28	90	7.52	30		0			

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				Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.			
261130001	Houghton Lake	1	2005	30	28	93	8.64	31	28	90	10.50	30	27	90	11.93	31	27	87	6.45	9.38	8.2
261130001	Houghton Lake	1	2006	30	27	90	7.40	30	29	97	7.54	31	27	87	8.63	31	31	100	7.49	7.77	8.1
261130001	Houghton Lake	1	2007	30	27	90	5.97	30	24	80	7.80	31	29	94	9.81	30	30	100	7.92	7.88	8.3
261130001	Houghton Lake	1	2008	31	29	94	7.85	30	26	87	4.96	31	30	97	6.97	30	29	97	6.14	6.48	7.4
261130001	Houghton Lake	1	2009	30	30	100	8.31	31	29	94	4.23	30	28	93	5.88	31	25	81	5.22	5.91	6.8
261130001	Houghton Lake	1	2010	30	24	80	5.46	30	28	93	5.56	31	28	90	7.41	31	31	100	5.35	5.94	6.1
261130001	Houghton Lake	1	2011	30	27	90	6.86	30	30	100	5.29	31	29	94	6.43	30		0			
261150005	Luna Pier	1	2005	30	28	93	16.50	31	27	87	13.40	30	27	90	19.78	31	30	97	13.10	15.70	14.2
261150005	Luna Pier	1	2006	30	27	90	14.55	30	29	97	10.91	31	30	97	12.98	31	30	97	12.45	12.72	13.8
261150005	Luna Pier	1	2007	30	29	97	12.26	30	26	87	11.41	31	29	94	14.87	30	30	100	13.78	13.08	13.8
261150005	Luna Pier	1	2008	31	31	100	13.25	30	30	100	9.76	31	29	94	12.28	30	27	90	10.16	11.36	12.4
261150005	Luna Pier	1	2009	30	30	100	13.84	31	30	97	8.19	30	28	93	9.75	31	27	87	9.54	10.33	11.6
261150005	Luna Pier	1	2010	30	30	100	10.07	30	29	97	7.76	31	31	100	10.73	31	29	94	8.87	9.36	10.4
261150005	Luna Pier	1	2011	30	29	97	11.36	30	29	97	8.64	31	29	94	10.98	30		0			
261210040	Muskegon	1	2005	30	30	100	14.81	31	30	97	12.64	30	26	87	15.13	31	30	97	9.70	13.07	11.7
261210040	Muskegon	1	2006	30	27	90	10.44	15	15	100	9.79	15	15	100	9.69	16	14	88	15.30	11.30	11.5
261210040	Muskegon	1	2007	90	87	97	9.41	91	90	99	10.77	92	83	90	10.73	92	88	96	11.11	10.51	11.6
261210040	Muskegon	1	2008	91	82	90	10.44	91	90	99	9.28	92	85	92	11.00	92	91	99	7.83	9.64	10.5
261210040	Muskegon	1	2009	91	84	92	11.06	31	33	106	6.57	30	30	100	8.71	31	30	97	8.67	8.75	9.6
261210040	Muskegon	1	2010	30	29	97	8.45	30	30	100	7.27	31	30	97	8.96	31	31	100	8.36	8.26	8.9
261210040	Muskegon	1	2011	30	29	97	9.10	30	30	100	7.68	31	31	100	8.98	30		0			
261250001	Oak Park	1	2005	30	27	90	17.49	31	31	100	13.77	30	30	100	17.61	31	30	97	12.99	15.47	14.3
261250001	Oak Park	1	2006	30	27	90	13.51	15	15	100	10.40	15	14	93	10.76	16	16	100	13.78	12.11	13.4
261250001	Oak Park	1	2007	30	30	100	12.48	30	28	93	12.27	31	30	97	14.68	30	30	100	13.89	13.33	13.6
261250001	Oak Park	1	2008	31	30	97	13.59	30	28	93	8.75	31	30	97	11.31	30	30	100	9.79	10.86	12.1
261250001	Oak Park	1	2009	30	30	100	14.24	31	30	97	7.26	30	27	90	9.14	31	31	100	9.47	10.03	11.4
261250001	Oak Park	1	2010	30	29	97	9.91	30	30	100	7.36	31	30	97	10.74	31	29	94	8.46	9.12	10.0
261250001	Oak Park	1	2011	30	29	97	10.34	30	30	100	8.07	31	31	100	10.25	30		0			
261390005	Jenison	1	2005	30	29	97	16.21	31	31	100	12.71	30	27	90	14.89	31	30	97	12.16	13.99	12.7
261390005	Jenison	1	2006	30	28	93	12.04	15	14	93	10.53	15	15	100	10.06	16	16	100	15.44	12.02	12.4
261390005	Jenison	1	2007	90	89	99	12.21	91	89	98	10.91	92	92	100	11.48	92	90	98	12.13	11.68	12.6
261390005	Jenison	1	2008	91	87	96	13.05	91	89	98	9.67	92	89	97	11.54	92	90	98	9.01	10.82	11.5
261390005	Jenison	1	2009	91	81	89	11.82	31	27	87	6.81	30	26	87	9.17	31	31	100	8.95	9.19	10.6
261390005	Jenison	1	2010	30	29	97	10.32	30	30	100	7.13	31	31	100	9.36	31	30	97	9.79	9.15	9.7
261390005	Jenison	1	2011	30	29	97	11.21	30	30	100	7.98	31	31	100	8.76	30		0			
261470005	Port Huron	1	2005	30	30	100	16.76	31	28	90	14.73	30	24	80	16.47	31	29	94	12.41	15.09	13.8
261470005	Port Huron	1	2006	30	30	100	15.52	15	15	100	10.71	15	15	100	9.09	16	16	100	12.86	12.04	13.1
261470005	Port Huron	1	2007	30	29	97	12.64	30	28	93	9.97	31	30	97	14.49	30	29	97	12.64	12.44	13.2
261470005	Port Huron	1	2008	31	30	97	13.66	30	29	97	9.78	31	30	97	11.56	30	29	97	9.31	11.08	11.9
261470005	Port Huron	1	2009	30	27	90	13.99	31	31	100	6.92	30	29	97	8.86	31	30	97	9.19	9.74	11.1
261470005	Port Huron	1	2010	30	28	93	8.53	30	30	100	8.06	31	30	97	10.32	31	31	100	8.86	8.94	9.9
261470005	Port Huron	1	2011	30	30	100	10.80	30	30	100	8.19	31	31	100	9.90	30		0			
261610008	Ypsilanti	1	2005	30	29	97	17.49	31	27	87	14.27	30	29	97	17.69	31	29	94	13.00	15.61	14.4
261610008	Ypsilanti	1	2006	30	24	80	14.80	30	29	97	10.67	31	29	94	13.12	31	23	74	11.61	12.55	13.7
261610008	Ypsilanti	1	2007	30	27	90	12.95	30	27	90	11.68	31	30	97	13.78	30	30	100	13.51	12.98	13.7
261610008	Ypsilanti	1	2008	31	28	90	13.23	30	30	100	9.07	31	31	100	11.21	30	29	97	10.13	10.91	12.1

AIRSID	Site	POC		First Quarter				Second Quarter				Third Quarter				Fourth Quarter				Annual	3-Yr Annual
				Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.		
261610008	Ypsilanti	1	2009	30	29	97	13.50	31	30	97	7.76	30	28	93	9.27	31	31	100	9.21	9.94	11.3
261610008	Ypsilanti	1	2010	30	29	97	9.97	30	28	93	7.32	31	31	100	10.29	31	30	97	9.36	9.24	10.0
261610008	Ypsilanti	1	2011	30	28	93	11.71	30	29	97	9.03	31	29	94	9.77	30		0			
261610008	Ypsilanti	2	2005	15	15	100	18.79	15	15	100	15.01	15	13	87	21.35	16	16	100	11.65	16.70	14.3
261610008	Ypsilanti	2	2006	15	12	80	17.93	16	13	81	10.52	16	14	88	11.64	16	16	100	14.01	13.53	13.8
261610008	Ypsilanti	2	2007	7	6	86	17.67	8	6	75	9.47	7	7	100	14.90	8	6	75	15.17	14.30	14.8
261610008	Ypsilanti	2	2008	8	13	163	15.17	7	7	100	9.70	8	7	88	18.16	7	7	100	8.91	12.99	13.6
261610008	Ypsilanti	2	2009	15	14	93	12.97	16	16	100	9.04	15	14	93	8.02	15	14	93	9.17	9.80	12.4
261610008	Ypsilanti	2	2010	15	13	87	8.32	15	15	100	8.11	16	16	100	10.25	15	15	100	10.93	9.40	10.7
261610008	Ypsilanti	2	2011	15	14	93	8.78	15	15	100	8.41	16	15	94	9.26	15		0			
261630001	Allen Park	1	2005	90	88	98	18.45	91	86	95	13.77	92	89	97	17.15	92	86	93	14.38	15.94	15.1
261630001	Allen Park	1	2006	90	81	90	13.70	91	83	91	11.59	92	87	95	13.76	92	90	98	13.65	13.18	14.5
261630001	Allen Park	1	2007	90	86	96	12.92	91	88	97	10.28	92	86	93	13.74	92	92	100	14.08	12.76	14.0
261630001	Allen Park	1	2008	91	88	97	13.86	91	90	99	10.18	92	86	93	12.98	92	87	95	10.30	11.83	12.6
261630001	Allen Park	1	2009	90	84	93	13.87	91	89	98	8.94	92	79	86	11.32	92	86	93	10.11	11.06	11.9
261630001	Allen Park	1	2010	90	80	89	11.19	91	87	96	8.83	92	84	91	11.83	92	83	90	9.05	10.23	11.0
261630001	Allen Park	1	2011	90	85	94	11.14	91	91	100	9.71	92	91	99	11.55	92		0			
261630001	Allen Park	2	2005	15	14	93	19.61	15	15	100	16.22	15	15	100	22.47	16	15	94	12.35	17.66	15.8
261630001	Allen Park	2	2006	15	13	87	17.32	15	13	87	11.35	15	13	87	12.00	16	15	94	14.77	13.86	14.6
261630001	Allen Park	2	2007	7	5	71	18.04	8	6	75	8.62	7	6	86	17.47	8	6	75	18.47	15.65	15.7
261630001	Allen Park	2	2008	8	8	100	14.28	7	7	100	11.31	8	5	63	21.02	7	7	100	9.06	13.92	14.5
261630001	Allen Park	2	2009	15	15	100	14.55	16	15	94	10.11	15	15	100	9.43	15	11	73	11.20	11.32	13.6
261630001	Allen Park	2	2010					monitor moved to Dearborn													
261630015	SW HS	1	2005	30	27	90	20.20	31	27	87	14.73	30	30	100	18.73	31	30	97	15.18	17.21	16.4
261630015	SW HS	1	2006	30	29	97	16.98	30	26	87	12.26	31	28	90	14.93	31	31	100	14.56	14.68	15.8
261630015	SW HS	1	2007	30	28	93	15.15	30	30	100	13.06	31	27	87	15.12	30	29	97	14.82	14.54	15.5
261630015	SW HS	1	2008	31	31	100	16.07	30	30	100	11.00	31	32	103	12.03	30	29	97	12.29	12.85	14.0
261630015	SW HS	1	2009	30	30	100	15.40	31	28	90	8.18	30	29	97	10.35	31	29	94	10.53	11.12	12.8
261630015	SW HS	1	2010	30	30	100	11.35	30	30	100	8.98	31	30	97	11.85	31	30	97	10.51	10.67	11.5
261630015	SW HS	1	2011	30	30	100	13.10	30	29	97	8.94	31	29	94	11.65	30		0			
261630016	Linwood	1	2005	90	87	97	18.92	91	79	87	14.78	92	84	91	16.62	92	88	96	13.70	16.01	15.2
261630016	Linwood	1	2006	90	79	88	13.04	15	14	93	11.58	15	13	87	12.58	16	17	106	14.97	13.04	14.2
261630016	Linwood	1	2007	30	26	87	13.98	30	26	87	12.12	31	30	97	14.74	30	29	97	14.61	13.86	14.3
261630016	Linwood	1	2008	31	29	94	14.59	30	30	100	9.58	31	29	94	12.61	30	30	100	10.96	11.94	12.9
261630016	Linwood	1	2009	30	27	90	14.27	31	27	87	8.22	30	26	87	9.23	31	31	100	9.70	10.36	12.1
261630016	Linwood	1	2010	30	26	87	10.42	30	28	93	8.55	31	31	100	11.34	31	30	97	9.10	9.85	10.7
261630016	Linwood	1	2011	30	30	100	12.48	30	30	100	8.82	31	30	97	10.66	30		0			
261630019	E 7 Mile	1	2005	30	28	93	19.82	31	31	100	14.48	30	29	97	17.43	31	29	94	14.20	16.48	14.8
261630019	E 7 Mile	1	2006	30	30	100	15.20	15	15	100	10.39	15	14	93	11.78	16	16	100	13.46	12.71	14.1
261630019	E 7 Mile	1	2007	30	30	100	13.20	30	28	93	11.16	31	31	100	14.36	30	27	90	13.31	13.01	14.1
261630019	E 7 Mile	1	2008	31	30	97	13.60	30	30	100	9.51	31	26	84	11.42	30	30	100	10.79	11.33	12.3
261630019	E 7 Mile	1	2009	30	30	100	14.73	31	31	100	7.61	30	26	87	9.88	31	28	90	9.95	10.54	11.6
261630019	E 7 Mile	1	2010	30	30	100	10.27	30	23	77	8.68	31	26	84	11.18	31	29	94	9.44	9.89	10.6
261630019	E 7 Mile	1	2011	30	29	97	11.41	30	28	93	8.22	31	29	94	10.38	30		0			
261630025	Livonia	1	2005	30	26	87	17.86	31	28	90	11.74	30	30	100	17.45	31	30	97	12.68	14.93	13.9
261630025	Livonia	1	2006	30	27	90	13.49	15	14	93	11.23	15	15	100	10.01	16	17	106	12.70	11.86	13.1

AIRSID	Site	POC	First Quarter				Second Quarter				Third Quarter				Fourth Quarter				Annual	3-Yr Annual		
			Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.	Sch #	Obs. #	%	Quart.				
261630025	Livonia	1	2007	30	26	87	12.23	30	30	100	10.59	31	31	100	13.76	30	27	90	14.42	12.75	13.2	
261630025	Livonia	1	2008	31	27	87	13.56	30	29	97	9.50	31	31	100	11.21	30	30	100	9.77	11.01	11.9	
261630025	Livonia	1	2009	30	29	97	13.93	31	31	100	7.40	30	28	93	9.19	31	28	90	9.01	9.88	11.2	
261630025	Livonia	1	2010	30	28	93	9.37	30	29	97	6.65	31	27	87	10.98	31	30	97	9.40	9.10	10.0	
261630025	Livonia	1	2011	30	29	97	11.29	30	29	97	8.91	31	31	100	9.98	30		0				
261630033	Dearborn	1	2005	30	28	93	21.50	31	31	100	16.57	30	28	93	18.22	31	28	90	17.90	18.55	18.2	
261630033	Dearborn	1	2006	30	28	93	18.79	30	29	97	12.85	31	27	87	15.56	31	31	100	17.30	16.13	17.2	
261630033	Dearborn	1	2007	30	29	97	18.84	30	29	97	15.20	31	29	94	16.02	30	27	90	17.49	16.89	17.2	
261630033	Dearborn	1	2008	31	31	100	16.59	30	28	93	11.18	31	30	97	13.51	30	30	100	12.06	13.34	15.4	
261630033	Dearborn	1	2009	30	29	97	17.29	31	31	100	8.42	30	27	90	10.42	31	31	100	12.13	12.07	14.1	
261630033	Dearborn	1	2010	30	27	90	11.70	30	30	100	9.39	31	30	97	12.32	31	31	100	11.90	11.33	12.2	
261630033	Dearborn	1	2011	30	50	167	12.76	30	37	123	9.98	31	30	97	11.37	30		0				
261630033	Dearborn	2	2010	15	14	93	13.18	15	15	100	10.05	16	15	94	12.30	15	15	100	13.70	12.31		
261630033	Dearborn	2	2011	15	15	100	12.37	15	15	100	9.69	16	15	94	11.47	15		0				
261630036	Wyandotte	1	2005	30	29	97	16.96	31	28	90	14.93	30	29	97	18.58	31	27	87	15.19	16.42	15.5	
261630036	Wyandotte	1	2006	30	29	97	15.10	30	26	87	10.95	31	29	94	13.69	31	29	94	11.94	12.92	14.3	
261630036	Wyandotte	1	2007	30	29	97	13.75	30	28	93	11.96	31	30	97	14.60	30	29	97	13.47	13.45	14.3	
261630036	Wyandotte	1	2008	31	31	100	12.55	30	29	97	9.47	31	30	97	11.95	30	30	100	9.78	10.94	12.4	
261630036	Wyandotte	1	2009	30	28	93	14.21	31	30	97	7.86	30	28	93	9.89	31	25	81	9.47	10.36	11.6	
261630036	Wyandotte	1	2010	30	23	77	9.44	30	29	97	7.84	31	29	94	11.30	31	31	100	8.84	9.36	10.2	
261630036	Wyandotte	1	2011	30	21	70	10.36	30	30	100	8.66	31	27	87	9.53	30		0				
261630038	Newberry	1	2005	30	28	93	16.98	31	25	81	14.60	30	22	73	17.66	<i>vandalism</i>				16.41		
261630038	Newberry	1	2006	<i>vandalism</i>				30	29	97	11.09	31	27	87	14.34	31	28	90	11.98	12.47		
261630038	Newberry	1	2007	30	27	90	13.63	30	27	90	12.85	31	28	90	15.35	30	30	100	14.23	14.02	14.3	
261630038	Newberry	1	2008	31	29	94	13.95	30	30	100	10.15	31	28	90	12.16	30	28	93	10.99	11.81	12.8	
261630038	Newberry	1	2009	30	25	83	13.24	31	29	94	7.89	30	27	90	9.43	31	29	94	10.12	10.17	12.0	
261630038	Newberry	1	2010	30	27	90	9.39	30	30	100	8.73	31	31	100	11.92	31	30	97	10.12	10.04	10.7	
261630038	Newberry	1	2011	30	26	87	12.98	30	32	107	9.77	31	31	100	10.77	30		0				
261630039	FIA\Lafayette St	1	2005									---	7	---	18.20	31	28	90	14.25			
261630039	FIA\Lafayette St	1	2006	30	29	97	14.78	30	30	100	11.71	31	31	100	14.20	31	30	97	11.84	13.13		
261630039	FIA\Lafayette St	1	2007	30	29	97	13.83	30	30	100	12.98	31	30	97	14.65	30	28	93	13.86	13.83	13.5	
261630039	FIA\Lafayette St	1	2008	31	30	97	14.26	30	28	93	10.70	31	29	94	12.80	30	29	97	11.14	12.23	13.1	
261630039	FIA\Lafayette St	1	2009	30	29	97	14.67	31	31	100	7.89	30	30	100	9.44	92	84	91	10.78	10.70	12.3	
261630039	FIA\Lafayette St	1	2010	90	83	92	10.69	91	89	98	8.65	92	76	83	11.22	92	84	91	9.62	10.05	11.0	
261630039	FIA\Lafayette St	1	2011	90	87	97	11.59	91	90	99	9.44	92	89	97	11.70	92		0				

A 3-year annual average of 15.1 ug/m3 would violate the NAAQS according to the data handling conventions in 40 CFR part 50

98th Percentile PM_{2.5} Values Averaged over 3 Years

updated 12/2/11

AIRS ID	Site	POC	Current Sampling Freq	2005	2006	2007	2008	2009	2010	2011	06-08	07-09	08-10	09-11
				98th % ile	98th % ile	98th % ile	98th % ile	98th % ile	98th % ile	98th % ile	Avg	Avg	Avg	Avg
260050003	Holland	1	1 in 3	36.1	34.1	31.7	24.5	25.4	24.6	26.8	30.1	27.2	24.8	25.6
260140014	Bay City	1	1 in 3	40.5	27.9	25.2	23.6	23.3	31.1	20.9	25.6	24.0	26.0	25.1
260210014	Coloma	1	1 in 3	33.8	27.7	33.0	24.8	22.2	23.3	20.5	28.5	26.7	23.4	22.0
260330901	Sault Ste Marie #	1	1 in 3	25.1	***** call ITC for data *****					in progress	---	---	---	---
260330901	Sault Ste Marie #	2	1 in 6	28.3	***** call ITC for data *****					in progress	---	---	---	---
260330903	Bay Mills	1	1 in 3	---	***** call ITC for data *****					in progress	---	---	---	---
260490021	Flint	1	1 in 3	35.9	26.7	25.1	25.8	26.2	24.7	21.0	25.9	25.7	25.6	24.0
260650012	Lansing	1	1 in 3	38.1	28.3	29.0	24.0	27.1	23.7	21.3	27.1	26.7	24.9	24.0
260770008	Kalamazoo	1	1 in 3	33.3	29.1	29.2	26.0	29.0	21.5	20.7	28.1	28.1	25.5	23.7
260770008	Kalamazoo	2	1 in 6	31.5	29.1	32.5	24.1	36.4	20.8	19.8	28.6	31.0	27.1	25.7
260810007	Wealthy	1	1 in 3	---	---	29.7	26.8	28.8	22.4	23.2	---	28.4	26.0	24.8
260810020	Grand Rapids	1	1 in 1	44.7	33.2	29.7	24.9	30.0	24.3	23.3	29.3	28.2	26.4	25.9
260810020	Grand Rapids	2	1 in 6	45.6	31.5	31.7	22.5	31.4	24.3	22.8	28.6	28.5	26.1	26.2
260910007	Tecumseh	1	1 in 3	---	---	---	23.4	29.9	22.3	23.9	---	---	25.2	25.4
260990009	New Haven	1	1 in 3	41.5	34.4	29.0	28.9	26.2	25.5	24.1	30.8	28.0	26.9	25.3
261010922	Manistee	1	1 in 3	---	25.9	26.5	21.2	19.8	21.9	20.0	24.5	22.5	21.0	20.6
261130001	Houghton Lake	1	1 in 3	30.8	21.6	23.2	21.1	17.5	17.6	19.3	22.0	20.6	18.7	18.1
261150005	Luna Pier	1	1 in 3	49.3	32.6	32.2	28.6	23.6	26.3	25.2	31.1	28.1	26.2	25.0
261210040	Muskegon	1	1 in 3	41.0	29.8	28.1	26.3	27.3	23.4	24.8	28.1	27.2	25.7	25.2
261250001	Oak Park	1	1 in 3	52.2	33.0	35.3	30.4	30.1	27.1	23.7	32.9	31.9	29.2	27.0
261390005	Jenison	1	1 in 3	42.3	30.2	28.1	27.1	26.5	22.7	23.5	28.5	27.2	25.4	24.2
261470005	Port Huron	1	1 in 3	47.6	37.9	36.3	31.0	29.9	25.8	27.0	35.1	32.4	28.9	27.6
261610008	Ypsilanti	1	1 in 3	52.1	31.3	34.5	28.2	28.2	23.3	23.9	31.3	30.3	26.6	25.1
261610008	Ypsilanti	2	1 in 6	54.6	33.0	30.6	31.3	29.4	22.4	23.3	31.6	30.4	27.7	25.0
261630001	Allen Park	1	1 in 1	43.0	32.8	31.0	30.3	29.2	27.8	25.8	31.4	30.2	29.1	27.6
261630001	Allen Park	2	1 in 6	58.0	34.2	36.2	32.3	32.4	---	---	34.2	33.6	---	---
261630015	SW High Sch.	1	1 in 3	49.7	36.2	34.0	34.3	30.9	26.6	25.1	34.8	33.1	30.6	27.5
261630016	Linwood	1	1 in 6	51.8	36.9	34.3	30.0	31.0	27.9	25.0	33.7	31.8	29.6	28.0
261630019	E 7 Mile	1	1 in 6	52.3	36.2	31.9	31.9	29.2	28.6	24.1	33.3	31.0	29.9	27.3
261630025	Livonia	1	1 in 6	40.2	30.4	32.8	28.3	29.3	25.3	24.2	30.5	30.1	27.6	26.3
261630033	Dearborn	1	1 in 3	50.2	43.1	36.6	31.7	35.7	28.6	30.6	37.1	34.7	32.0	31.6
261630033	Dearborn	2	1 in 6	---	---	---	---	---	31.5	28.7	---	---	---	---
261630036	Wyandotte	1	1 in 3	46.7	33.2	28.6	26.3	26.9	24.4	24.2	29.4	27.3	25.9	25.2
261630038	Newberry	1	1 in 3	57.5	28.6	33.4	31.5	25.9	30.4	24.9	31.2	30.3	29.3	27.1
261630039	FIA/Lafayette	1	1 in 3	43.9	32.4	34.8	31.7	31.7	27.7	25.9	33.0	32.7	30.4	28.4

A 3-year 24-hour average of 36 ug/m3 would violate the NAAQS according to the data handling conventions in 40 CFR part 50